

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

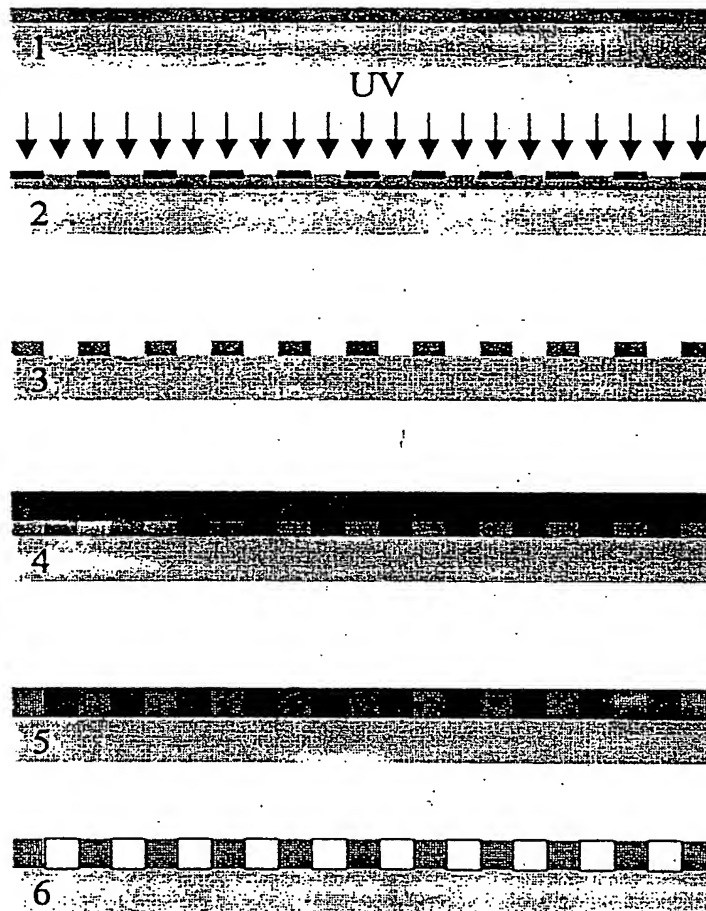


Figure 1: Processing steps for binder diffusion transfer imaging

where the polymer film is a photo resist

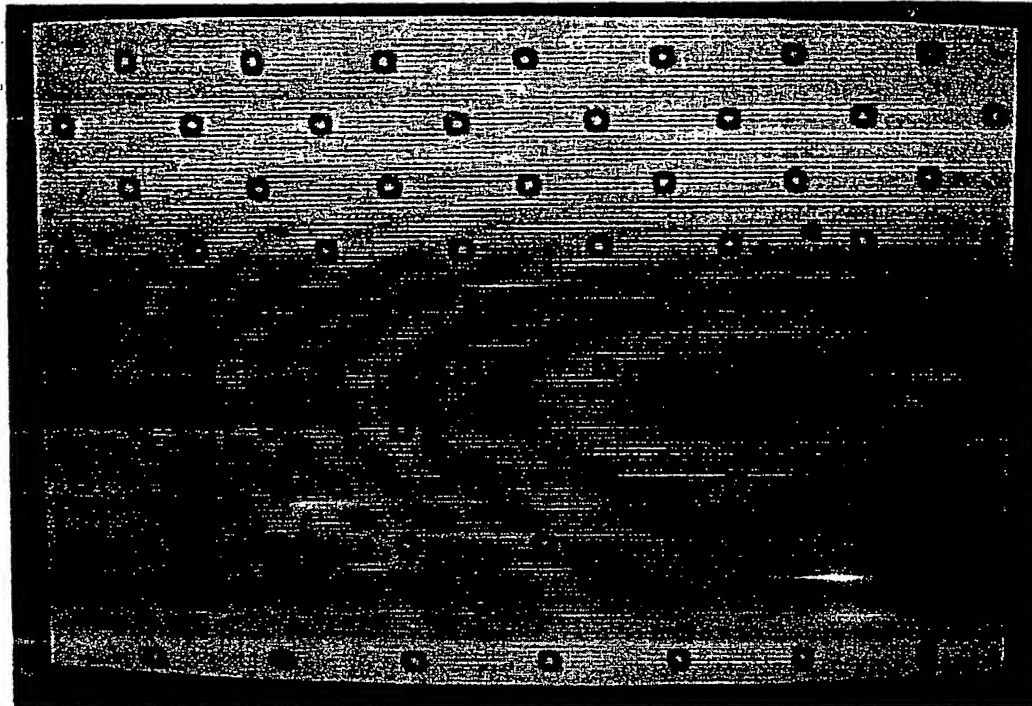


Figure 2: Showing 50 μm x 50 μm photo-resist squares after resist development

Case No.: CL2287
Appl. No.: TO BE ASSIGNED
Title: BINDER DIFFUSION TRANSFER PATTERNING OF A THICK
FILM PASTE LAYER
Attorney: BARBARA C. SIEGELL, ESQ.
Phone: 302-992-4931
Figures 1-5

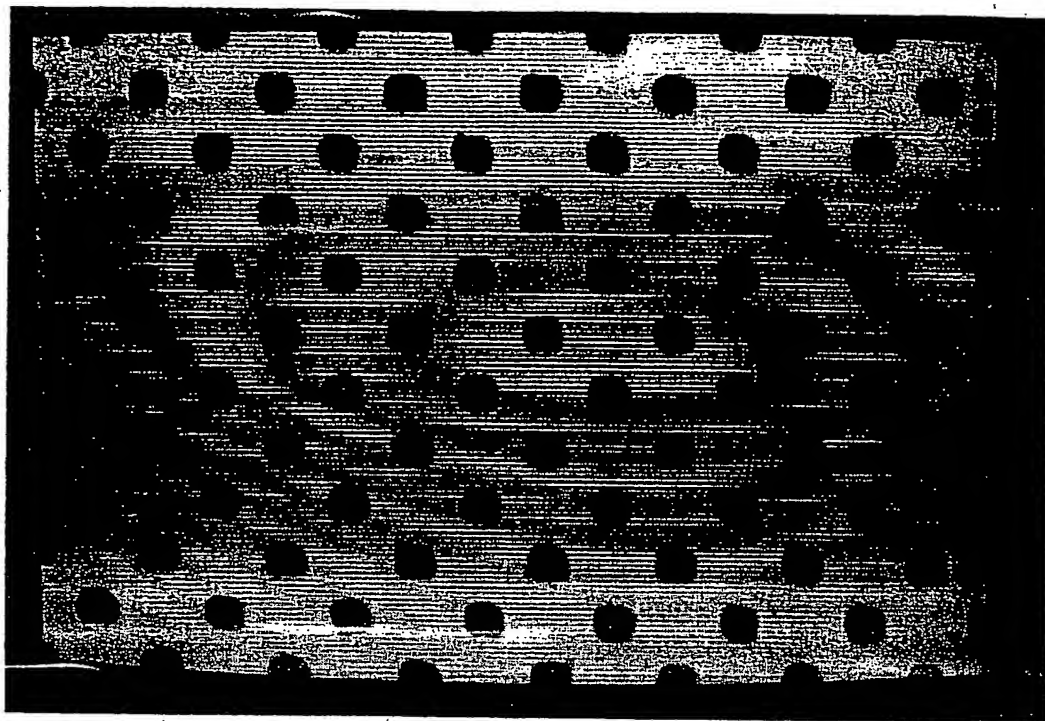


Figure 3: Showing 75 μm x 75 μm CNT paste squares after paste wash-out in alkaline solution.

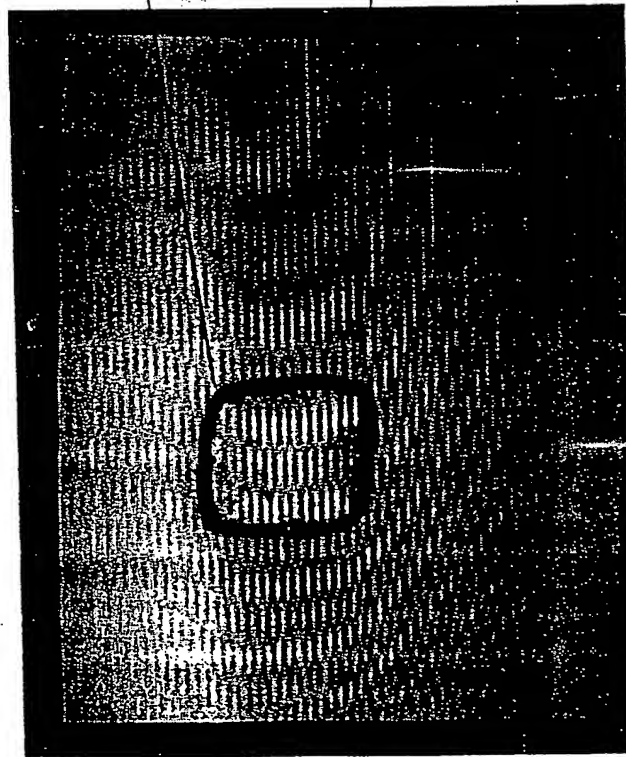
Case No.: CL2287
Appl. No.: TO BE ASSIGNED
Title: BINDER DIFFUSION TRANSFER PATTERNING OF A THICK
FILM PASTE LAYER
Attorney: BARBARA C. SIEGELL, ESQ.
Phone: 302-992-4931
Figures 1-5

Figure 4: Showing the dimension gain which occurs during diffusion transfer;

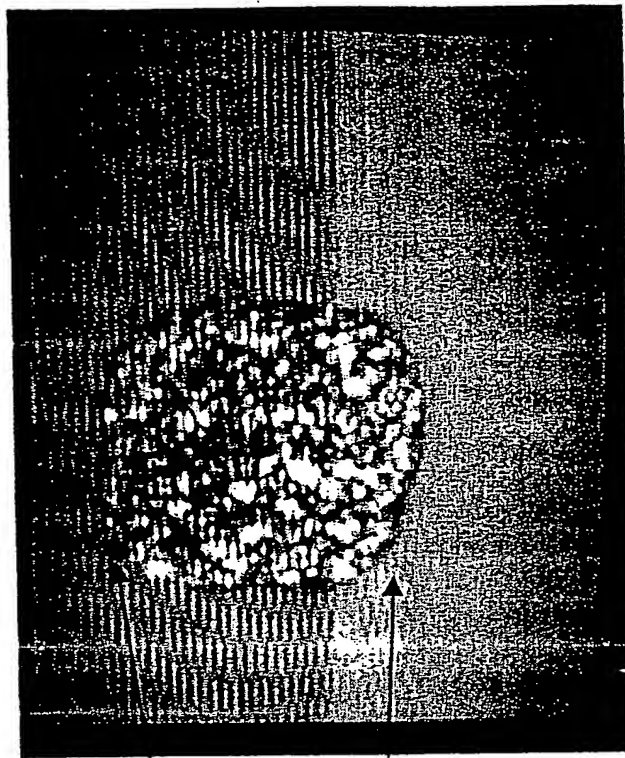
(a) 50 μm x 50 μm photo-resist squares

(b) 75 μm x 75 μm CNT paste.squares

50 μm square resist pad



About 75 μm square paste pad



Case No.: CL2287

Appl. No.: TO BE ASSIGNED

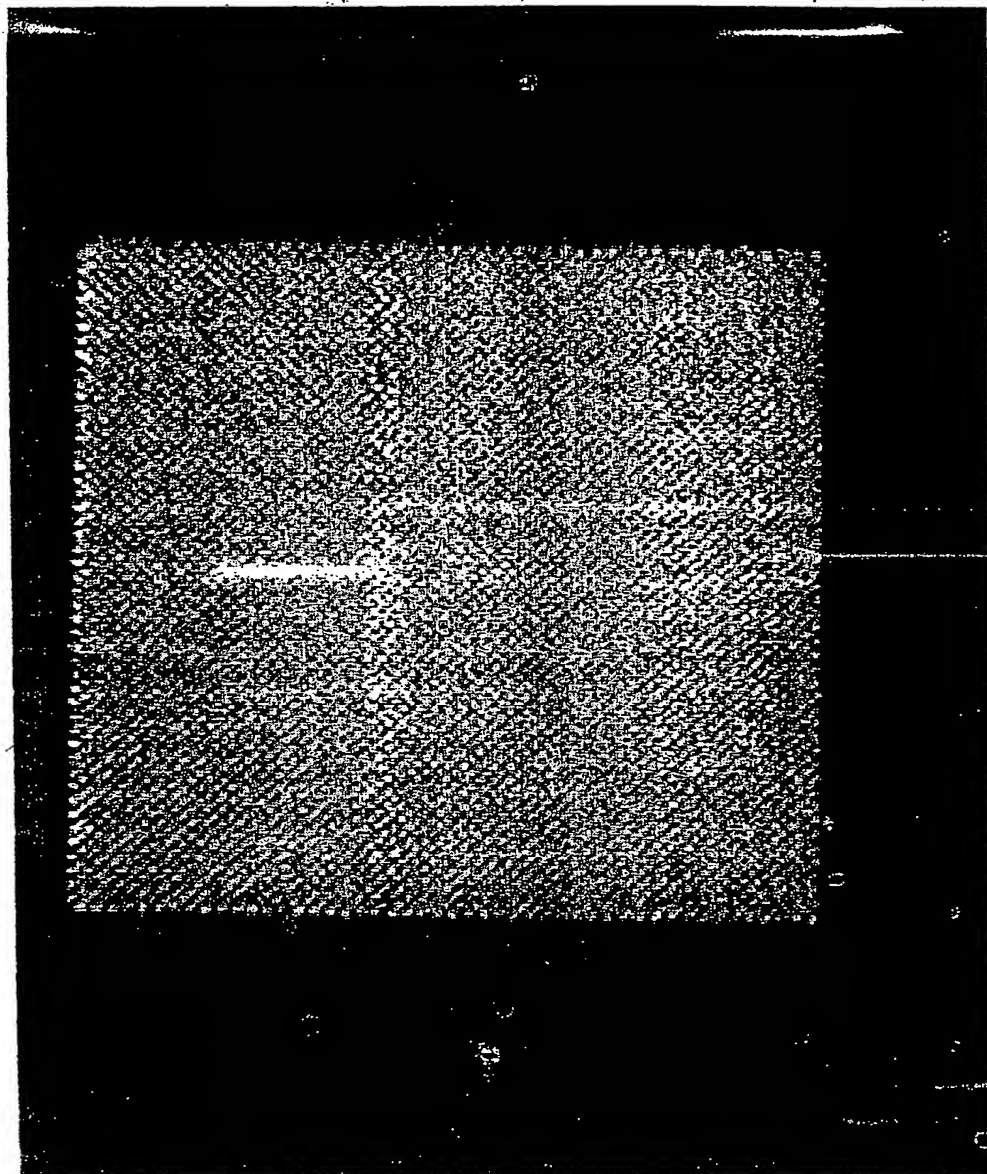
Title: BINDER DIFFUSION TRANSFER PATTERNING OF A THICK FILM PASTE LAYER

Attorney: BARBARA C. SIEGEL, ESQ.

Phone: 302-992-4931

Figures 1-5

Figure 5: Showing electron field emission illumination of the anode by the CNT paste squares array.
Image was taken at 3 kV and 50 μ amp of anode current.



Case No.: CL2287
Appl. No.: TO BE ASSIGNED
Title: BINDER DIFFUSION TRANSFER PATTERNING OF A THICK
FILM PASTE LAYER
Attorney: BARBARA C. SIEGELL, ESQ.
Phone: 302-992-4931
Figures 1-5